

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: NARDUZZI, Lorenzo

SERIAL NO.: (Intl Appn No. PCT/IT00/00042)

FILED: (Intl File Date: 11 Feb. 2000)

TITLE: DISASSEMBLABLE ROLLING MILL STAND

REMARKS ON PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In this preliminary amendment, please consider the following remarks in conjunction with the amendments to the above-identified application as follows:

REMARKS

The present Preliminary Amendment has been entered for the purpose of placing the application into a more proper U.S. format. In particular, certain grammatical and idiomatic inconsistencies have been corrected by amendment to the specification, and the application is corrected for certain typographical errors found in the originally submitted application. No new matter has been added by these amendments. The specification is an English translation of the Italian original, and the proper subject headings have been added.


The claims have been amended so as to conform with U.S. requirements.

An Abstract was added so as to comply with U.S. requirements.

Applicant respectfully requests that the present Amendment be entered prior to an initial Official Action on the present application.

Respectfully submitted,

8-28-01
Date


John S. Egbert
Reg. No. 30,627
Attorney for Applicant

Harrison & Egbert
412 Main Street, 7th Floor
Houston, Texas 77002
(713)224-8080
(713)223-4873 fax

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VERSION WITH MARKINGS TO SHOW CHANGES in the PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In conjunction with the filing of the present application, and prior to an initial Official Action on this matter, please amend the above-identified application as follows:

IN THE SPECIFICATION

On page 1, the paragraph beginning with "TITLE OF" and ending with "INVENTION" has been deleted. There is no marked-up copy.

On page 1, the paragraph beginning with "FIELD OF" and ending with "THE INVENTION.", has been amended as follows:

BACKGROUND [FIELD] OF THE INVENTION

1. Field of the Invention

On page 1, the paragraph beginning with "The present invention" and ending with "mill stand.", has been amended as follows:

The present invention [has for object] are also relates to a disassemblable rolling mill stand.

On page 1, the paragraph beginning with "BACKGROUND" and ending with "ART", has been amended as follows:

[BACKGROUND ART] 2. Description of the Related Art

On page 2, the paragraph beginning with "BRIEF DESCRIPTION" and ending with "THE INVENTION", has been amended as follows:

BRIEF [DESCRIPTION] SUMMARY OF THE INVENTION

On page 3, the paragraph beginning with "In alternative said" and ending with "at the base.", has been amended as follows:

In the alternative said bedplate is intended to receive a rolling mill assembly with horizontal cylinders with eight engaged pivoting large screws: four [upperly] upper screws on the guide uprights and four at the base.

On page 3, the paragraph beginning with "BRIEF DESCRIPTION" and ending with "OF THE DRAWINGS", has been amended as follows:

BRIEF DESCRIPTION OF THE [SEVERL] SEVERAL VIEWS OF THE DRAWINGS

On page 4, the paragraph beginning with "Figs. 11-13" and ending with "(Fig. 13-14).", has been amended as follows:

Figs. [11-13 and 12-14, show the view of the solution] 11-14 are schematic side views showing the invention as in the preceding figures, with extracted rolling mill stand (figs. 11-12) with respect to the underlying bedplate (Fig. 13-14).

IN THE CLAIMS

On page 6, the paragraph beginning with "CLAIMS" and ending with "CLAIMS", has been amended as follows:

CLAIMS

I Claim:

In Claim 1, the claim has been amended as follows:

1. (Amended) Disassemblable rolling mill stand[, of the type involving] comprising a bedplate structure with a substantially "U"-shaped embedding (1), within which a rolling mill assembly (2), with at least one couple of horizontal rolling cylinders (210-310), is embedded and fixed by fixing means (202-10/12) to said bedplate (1),

wherein said substantially "U"-shaped embedding structure

[-] extends upwards with opposite vertical-guide uprights (11) to include the upper horizontal cylinder (210-310), and

[-] realizes vertical sliding embedding guide means (11) with corresponding opposite vertical counter-guides (201) in said rolling mill assembly (2) which couple inside of said opposite vertical-guide uprights (11),

[characterised in that]

[-] and wherein said opposite vertical counter-guides (201) [have] are comprised of external side retaining extensions (201-200) realised with sliding surfaces (200) substantially shaped like a "C" and opposite C", horizontally outwards opened (11-110-201).

In Claim 2, the claim has been amended as follows:

2. (Amended) Disassemblable rolling mill stand according to [the preceding claims, characterised in that] Claim 1, wherein said rolling mill assembly (2) is a universal rolling mill assembly [with] comprised of a couple of horizontal cylinders (210), and couple of extractable vertical rolling mill side assemblies (22-220), laterally extractable and interchangeable by means of eight horizontal large screws, opposite four by four (202).

In Claim 3, the claim has been amended as follows:

3. (Amended) Rolling mill stand according to [the preceding claim, characterised in that] Claim 2, wherein said eight horizontal large screws, opposite four by four (202), are identical to said fixing means, which guide and tighten not only, said extractable vertical rolling mill side assemblies (22-220) on the centrally arranged horizontal rolling mill assembly (21), but also the whole universal rolling mill assembly (2) between said guide uprights (11).

In Claim 4, the claim has been amended as follows:

4. (Amended) Disassemblable rolling mill stand according to claim 1, [characterised in that] wherein said rolling mill assembly (2) [includes] further comprises a single couple of horizontal rolling cylinders (3-310).

In Claim 5, the claim has been amended as follows:

5. (Amended) Disassemblable rolling mill stand according to [the preceding claims, characterised in that] Claim 1, wherein said fixing means [consist of] comprise eight rotatable large screws (10-12), [of which:]

[-] wherein four opposite rotatable large screws (10), are [upperly] upper pivoted in couple, to the corners of said guide uprights (11) of said bedplate (1) and,

[-] wherein four opposite rotatable large screws (12), are pivoted in couple, on the base of said bedplate (1).

In Claim 6, the claim has been amended as follows:

6. (Amended) Disassemblable rolling mill stand according to [the preceding claims, characterised in that] Claim 1, wherein said rolling mill assembly (2) [contains] comprises two couples of screw-stay-rods (212) operating on respective gaskets for the holding of horizontal rolling cylinders (210).

IN THE ABSTRACT

On a separate page 8, an Abstract has been newly added. There is no marked-up copy of this Abstract.